

## INTERNATIONAL SEARCH REPORT

International application No

PCT/JP2006/311469

A. CLASSIFICATION OF SUBJECT MATTER  
 INV. C01B33/193 C01B37/00 C12Q1/00 G01N33/487

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
C01B C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/122121 A1 (LOUREIRO SERGIO MARTINS ET AL) 24 June 2004 (2004-06-24) paragraphs [0007], [0009], [0010], [0012], [0022], [0054] - [0056]; figures 2,3	1,2,6-8
A	US 6 696 258 B1 (WEI YEN ET AL) 24 February 2004 (2004-02-24) column 5, line 46 - column 6, line 18; examples 1-4	3-5,9
X		10
A		1-9
	----- -----	-/-



Further documents are listed in the continuation of Box C.



See patent family annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

7 September 2006

Date of mailing of the international search report

23/10/2006

Name and mailing address of the ISA/  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax: (+31-70) 340-3016

Authorized officer

Werner, Hakan

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/JP2006/311469

## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SHIO, SHOICHIRO ET AL: "Morphological control of ordered mesoporous silica: formation of fine and rod-like mesoporous powders from completely dissolved aqueous solutions of sodium metasilicate and cationic surfactants" CHEM. COMMUN., 1998, pages 2461-2462, XP002397874 cited in the application the whole document -----	1-7
A	ZHANG, HE ET AL: "Unusual Mesoporous SBA-15 with Parallel Channels Running along the Short Axis" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY CODEN: JACSAT;, vol. 126, no. 24, 2004, pages 7740-7441, XP002397875 ISSN: 0002-7863 cited in the application the whole document -----	1-7
A	ZHAO, DONGYUAN ET AL: "Triblock copolymer syntheses of mesoporous silica with periodic 50 to 300 angstrom pores" SCIENCE CODEN: SCIEAS;, vol. 279, 23 January 1998 (1998-01-23), pages 548-552, XP002397876 WASHINGTON, D. C. USA ISSN: 0036-8075 page 549, right-hand column; figures 2,3; table 1 -----	1-7

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No

PCT/JP2006/311469

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004122121	A1 24-06-2004	US 2004228787 A1	18-11-2004
US 6696258	B1 24-02-2004	NONE	